BOCHVAR, D.A.; STANKEVICH, I.V.; CHISTYAKOV, A.L.

Conjugation energies of some boron-containing systems. Izv. AN SSSR Otd.khim.nauk no.12:2252-2253 D '61. (MIRA 14:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Heterocyclic compounds) (Boron compounds)

BOCHVAR, D.A.; STANKEVICH, I.V.; CHISTYAKOV, A.L.

Symmetry of solutions in an eigenvalue problem. Usp.mat.nauk 16 (MIRA 14:8) no.3:155-158 My-Je '61. (Eigenvalues) (Symmetric functions)

BOCHVAR, D.A.; STANKEVICH, I.V.; CHISTYAKOV, A.L.

Energy levels of really alternant systems. Zhur.fiz.khim. 35
no.6:1337-1342 Je '61. (MIRA 14:7)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

(Hydrocarbons) (Molecules)

BOCHVAR, D. A.; STANKEVICH, I. V.; CHISTYAKOV, A. L.

Some integral characteristics of distributions applied to quantum-mechanical systems. Entropy of localization, extension, and degree of filling in a quantum-mechanical system. Zhur. fiz. khim. 36 no.12:2674-2679 D '62. (MIRA 16:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

(Quantum theory)

### STANKEVICH, I.V.

Theory of the perturbation of a continuous spectrum. Dokl.AN SSSR 144 no.2:279-282 My '62. (MIRA 15:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

Predstavleno akademikom I.G.Petrovskim.

(Hilbert space) (Operators (Mathematics))

BOCHVAR, D.A.; STANKEVICH, I.V.; CHISTYAKOV, A.L.

Entropy terms as an expression of the uncertainty principle.

Dokl.AN SSSR 149 no.1868-71 Mr '63. (MIRA 16:2)

1. Institut elementroorganicheskikh soyedineniy AN SSSR. Predstavleno akademikom I.V.Obreimovym.

(Entropy) (Functional analysis)

BOCHVAR, D.A.; STANKEVICH, I.V.

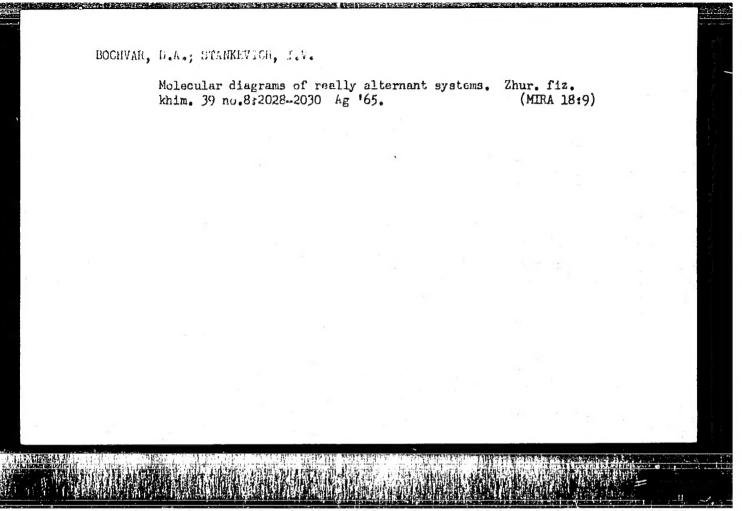
Some consequences of symmetry for the eigenfunction sequence in the one electron problem in a potential field. Zhur. fiz. khim. 38 no.5:1324-1326 My '64. (MIRA 18:12)

1. Institut elementoorganicheskikh soyedineniy. Submitted June 27, 1963.

GEKHTMAN, M.M.; STANKEVICH, I.V.

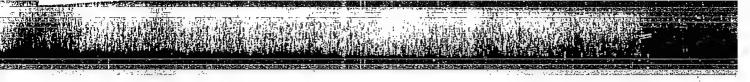
Spectrum of non-self-adjoint differential operators. Dokl. AN SSSR 158 no.1:29-32 S-0 64 (MIRA 17:8)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Predstavleno akademikom L.S. Pontryaginym.



APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652830003-3"

5/0020/65/160/006/1271/1274 L 33992-65 EWT(d)/T ACCESSION NR: AP5007652 AUTHOR: Stankevich, I. V. goes to infinity of the solution of the THE PERSON NAMED IN COLUMN TITLE: Asymptotic behavior as t nonstationary Schrodinger equation with non-solf-adjoint Hamiltonian SOURCE: AN SSSR. Doklady, v. 160, no. 6, 1965, 1271-1274 TOPIC TAGS: asymptotic property, Schrodinger equation ABSTRACT: For physical applications we are interested in studying the beliavior, for large values of the parameter t, of the solution, in Hilbert space of the nonstationary Schrodinger equation  $i\frac{\partial \psi(t)}{\partial t} = H\psi(t) \quad (-\infty < t < \infty)$  (1). with initial condition where f is from the domain of definition D(H) of the closed operator H. If the operator H is self-adjoint and can be considered as the result of perturbation of the self-adjoint operator  $H_0$ ,  $H=H_0+V$ , and if the initial condition belongs to



L 33992-65

ACCESSION NR: AP5007652

an absolutely continuous subspace with respect to the operator H, then for a wide class of operators the author shows that for large values of t (t \*\* + \omega\*) the solution of the Schrodinger equation with Hamiltonian H behaves (in the sense of the metric of the space of the

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute for Elementoorganic Compounds, Academy of Sciences SSSR)

SUBMITTED: 16Sep64

ENCL: CO

SUB CODE: MA

NO REF SOV: 002

OTHER: 006

Card APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652830003-3

BOCHVAR, L.A.; STANKEVICH, I.V., CHISTYAKOV, A.I.,

Level diagrams of aza-boron alternant systems. Zhur. fiz. khim. 39 no.6:1365-1372 Je '65. (MIRA 18:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Submitted Jan. 4, 1964.

### "APPROVED FOR RELEASE: 08/25/2000

#### CIA-RDP86-00513R001652830003-3

L 43951-66 EVIT(d) IJP(e) -

SOURCE CODE: UR/0039/66/069/002/0161/0207

AUTHOR: Stankevich, I. V. (Moscow)

ORG: none

1

TITLE: The linear similarity between certain nonself-adjoint operators and self-adjoint operators and the asymptotic behavior for t tends to infinity of the solution of the nonstationary Schroedinger equation

SOURCE: Matematicheskiy sbornik, v. 69, no. 2, 1966, 161-207

TOPIC TAGS: linear operator, Schroedinger equation, Cauchy problem, Hilbert space

ABSTRACT: The operator H of a Hilbert space is considered linearly similar to another operator  $H_0$  in the same space if there exists a bounded operator U transforming the region of definition  $\mathcal{D}(H_0)$  of the operator  $H_0$  into the region of definition  $\mathcal{D}(H)$  of H and satisfying the condition

 $HUf = UH_0f \quad (f \in \mathfrak{D}(H_0)).$ 

The author investigates the case when one of the operators discussed is not self-adjoint. Conditions are established under which H is linearly similar to  $H_0$  and the Cauchy problem is

Card 1/2

UDC: 513,882

tion with a H behavior of inger operate	Iamiltonia	H linearly	3 y similar t →∞	
A brief acc (271-1274). Interest in the Orig. art. h	The authore work an las: 271 fc	thanks F. d. M. A. Normulas.	A HOTELL	<b>n</b>
G REF: 015	•			
	t			
				+
1204	, ° *	2.	·	1
i de la constantina della cons				
e see				
A Company			- 9 <sub>111</sub> 0	
grabi	412			



